

Mountain View Investments

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Draft #01

Introduction

In the volatile world of Angel and VC investing we are so unsure of where the market will go. In this paper, I will be analyzing and forecasting investment rounds in the Mountain View area. 304 data points were used in this model.

Understanding the data

Before we get into predictive analysis, let's immerse ourselves in the data sets. Below are some density and bar graphs showcasing the data and what kind of data we're dealing with.

Figure 1: Amount of Investments by Round in Mountain View

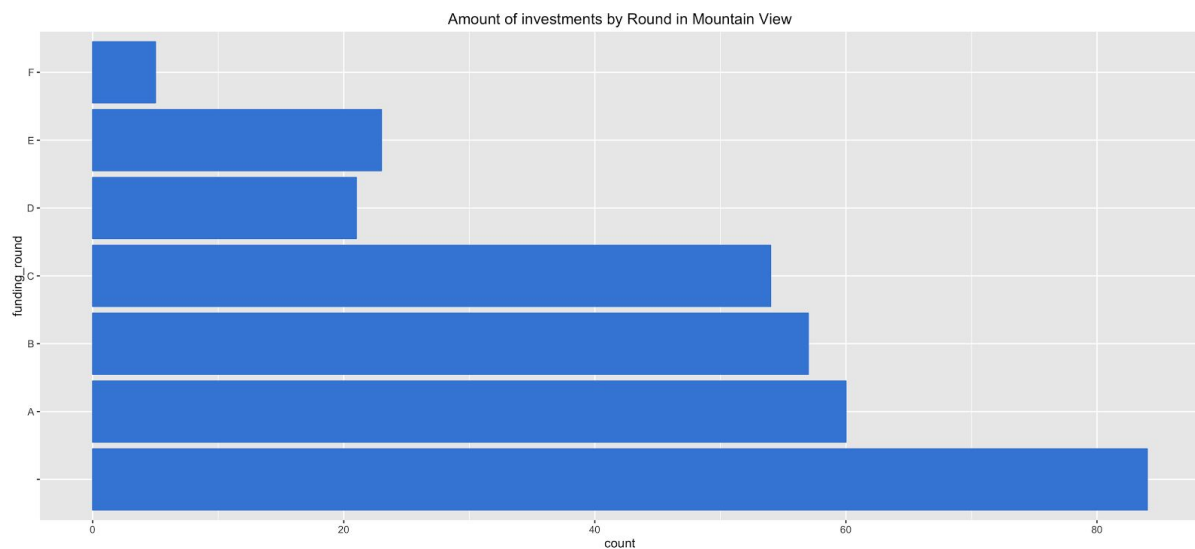


Figure 2: Amounts raised (in USD)

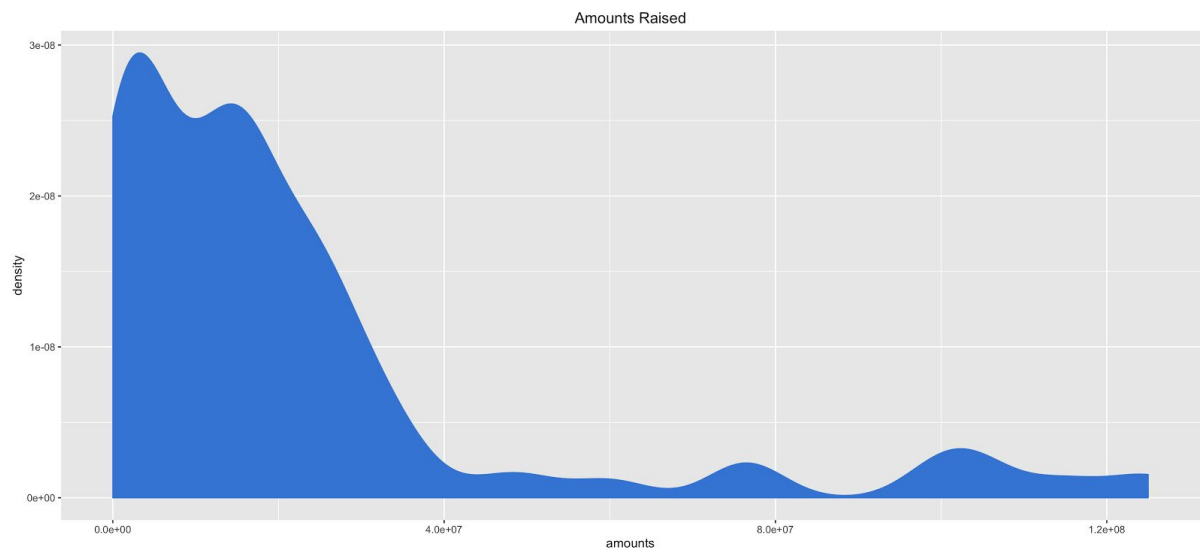


Figure 3: Location of Investors by Country

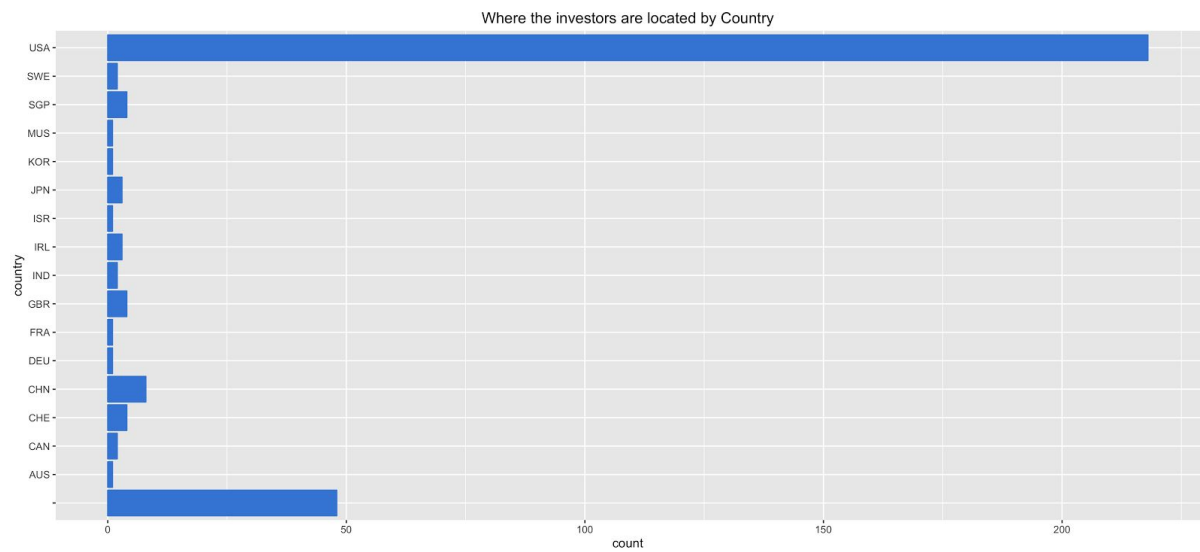
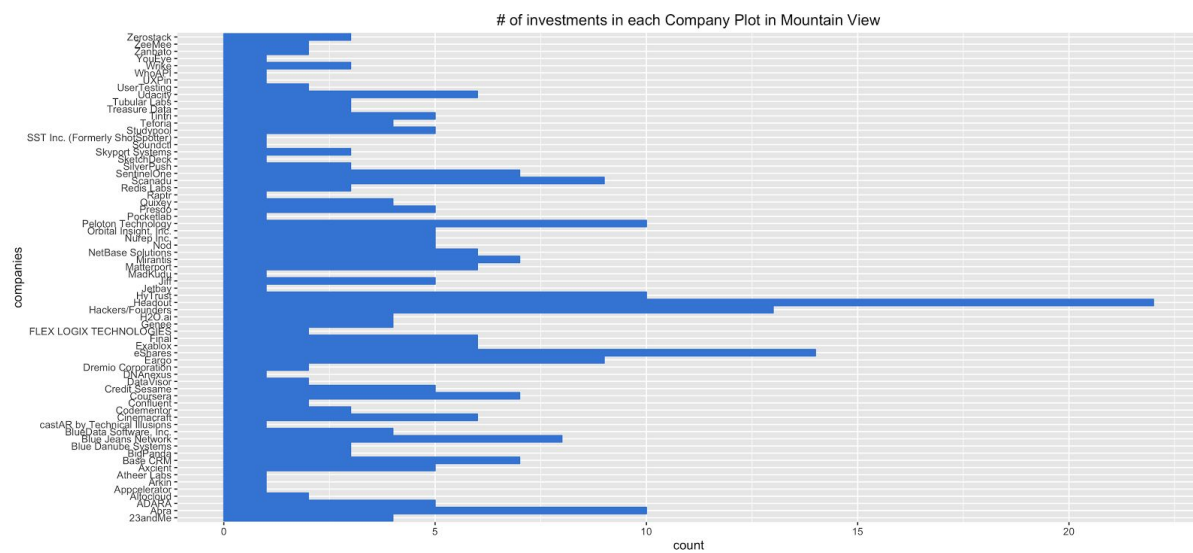
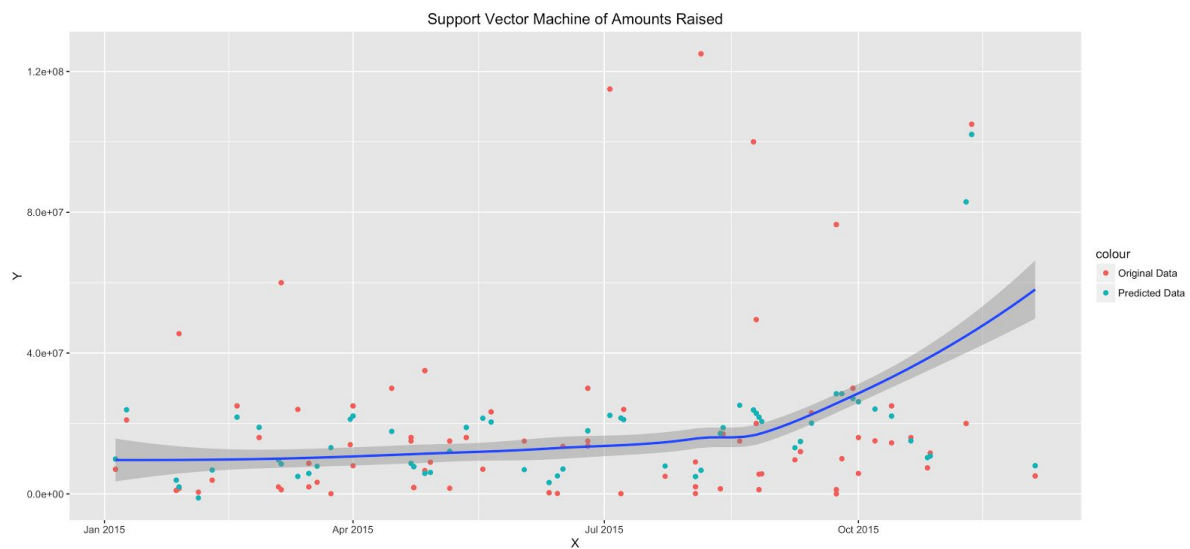


Figure 4: Number of investments in each company



Fitting the data

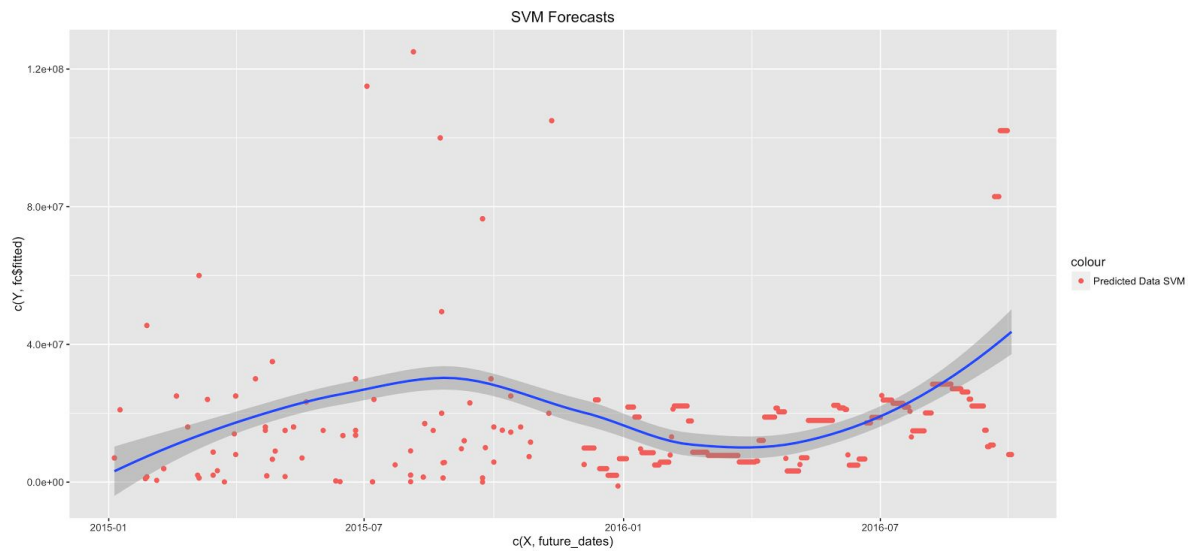
Now that we understand the data, we're going to fit the data to a Support Vector Machine. In this case, we use a radial kernel with a cost of 100 and a gamma of 10.



There is little variance in our fitted model and our root mean squared error is relatively low.

Forecasting the data

Since we found a relatively good fit in our dataset, let's forecast using the same model:



Conclusion

According to our forecasts the data will take a dip then increase as the year progresses. This means that things will go well in the funding market! :)